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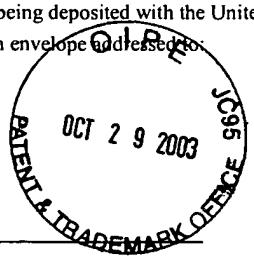

TOWNSEND and TOWNSEND and CREW LLP

By: Kristal Cope

PATENT
Attorney Docket No.: 018547-025010US
Client Reference No.: 3028.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Mark Chee et al.

Application No.: 08/856,376

Filed: May 14, 1997

For: POLYMORPHISMS IN HUMAN MITOCHODRIAL DNA

Examiner: Ardin Marschel

Art Unit: 1631

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97 and §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of $180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account. This transmittal is filed in duplicate.

Respectfully submitted,

Joe Liebeschuetz
Reg. No. 37,505

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PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

	Complete if Known
Application Number	08/856,376
Filing Date	May 14, 1997
First Named Inventor	Chee, Mark
Art Unit	1631
Examiner Name	Ardin Marschel
Attorney Docket Number	018547-025010US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No.[1]	Document Number: Number Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

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Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3] Number[4] Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

Complete if Known	
Application Number	08/856,376
Filing Date	May 14, 1997
First Named Inventor	Chee, Mark
Art Unit	1631
Examiner Name	Ardin Marschel
Attorney Docket Number	018547-025010US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	AA	Ginther et al., "Identifying individuals by sequencing mitochondrial DNA from teeth," Nature Genetics, 2:135 (10/1992).	
	AB	Greenberg et al., "Intraspecific nucleotide sequence variability surrounding the origin of replication in human mitochondrial DNA," Gene 21(1-2):33 (1983).	
	AC	Howell et al., "Mitochondrial gene segregation in humans: is the bottleneck always narrow?" Human Genetics, 90:117 (1992).	
	AD	Howell et al., "When does bilateral optic atrophy become Leber hereditary optic atrophy?" American Journal of Human Genetics, 53:959 (1993).	
	AE	Hutchin et al., "A molecular basis for human hypersensitivity to aminoglycoside antibiotics," NAR 21(18):4174 (1993).	
	AF	Ikebe et al., "Point mutations of mitochondrial genome in PArkinson's disease," Molecular Brain Research 28(2):281 (1995).	
	AG	Isenberg and Moore, "Mitochondrial DNA Analysis at the FBI Laboratory," Forensic Science Communications, Vol. 1, No. 2 (7/1999).	
	AH	Johns and Neufeld, "Pitfalls in the molecular genetic diagnosis of Leber hereditary optic neuropathy (LHON)," American Journal of Human Genetics, 53 (4):916 (1993).	
	AI	Marzuki et al., "Normal variants of human mitochondrial DNA and translation products: building a reference data base," Human Genetics, 88 (2):139 (1991).	
	AJ	Mehta, et al., "A new genetic polymorphism in the 16S ribosomal RNA gene of human mitochondrial DNA," Annals of Human Genetics, 53 (Pt. 4):303 (1989).	
	AK	Moraes, et al., "Two novel pathogenic mitochondrial DNA mutations affecting organelle number and protein synthesis. Is the tRNA Leu(UUR) gene an etiologic hot spot?" J. of Clinical Investigation, 92(6):2906 (1993).	
	AL	Ozawa et al., "Distinct clustering of point mutations in mitochondrial DNA amoung patients with mitochondrial encephalomyopathies and with Parkinson's disease," BBRC, 176 (2):938 (1991).	
	AM	Ozawa et al., "Patients with idiopathic cardiomyopathy belong to the same mitochondrial gene family of Parkinson's disease and mitochondrial encephalomyopathy," BBRC 177(1):518 (1991).	
	AN	Petruzzella et al., "Is a point mutation in the mitochondrial ND2 gene associated with Alzheimer's disease?" BBRC 186:491 (1992).	
	AO	Prezant et al., "Mitochondrial ribosomal RNA mutation associated with both antibiotic-induced and non-syndromic deafness," Nature Genetics, 4 (3):289.	
	AP	Reid et al., "Complete mtDNA sequence of a patient in a maternal pedigree with sensorineural deafness," Human Molecular Genetics, 3(8):1435 (1994).	

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Sheet 3 of 3

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Application Number	08/856,376
Filing Date	May 14, 1997
First Named Inventor	Chee, Mark
Art Unit	1631
Examiner Name	Ardin Marschel
Attorney Docket Number	018547-025010US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T [2]
	AQ	Ruvolo et al., Mitochondrial COII sequences and modern huiman origins," Molecular Biology and Evolution, 10:1115 (1993).	
	AR	Seneca et al., "Importance of sequence analysis in the NARP syndrome," J. Inherited Metabolic Disorders, 18 (1):97 (1995).	
	AS	Tanaka and Ozawa, "Strand asymmetry in human mitochondrial DNA mutations," Genomics, 22(2):327 (1994).	

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